

**DEPARTMENT OF TRANSPORTATION****DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave. St. 150  
Vallejo, CA 94592-1133  
(707) 649-5453  
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-002940**Date Inspected:** 08-Nov-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Changxing Dao, Shanghai**Quality Control Contact:** Don Walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coatings Inspection**Bridge No:** 34-0006**Component:** Sub-Assemblies (OBG) and Office.**Bid Item:** 77, 78, 79**Lot No:****Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. Kenneth W. Cason Jr. arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections is to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

**Sub-Assemblies (OBG)**

Crash Barriers External Surface (92 Each), NOI Number 4914: In accordance with project specifications, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the final coat installation on Crash Barriers External Surface (92 Each). ABF and ZPMC QA/QC recorded final surface dry film thickness readings (DFT) in accordance with SSPC-PA2. ABF and ZPMC Quality Assurance/Control representatives noted discrepancies including low DFT readings and holiday (misses) in the applied coating. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection prior to proceeding with process to the final acceptance.

CB14 Cross Beam Internal Bottom Plate Surface, NOI Number 4919: In accordance with project specifications, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the Interzinc 22 installation on CB14 Cross Beam Internal Bottom Plate Surface. ABF and ZPMC QA/QC recorded final surface dry film thickness readings (DFT) in accordance with SSPC-PA2 and accepted after ZPMC conducted minor touch up. No other discrepancies noted.

---

## SOURCE INSPECTION REPORT

( Continued Page 2 of 3 )

---

SB86E, 88E, 90E, 92E, 94E, 86W, 88W, 90W, 92W and 94W Suspender Brackets (10 Each), NOI Number 4920: In accordance with project specifications and SSPC-PA2, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the final coat installation on SB86E, 88E, 90E, 92E, 94E, 86W, 88W, 90W, 92W and 94W Suspender Brackets (10 Each). ABF and ZPMC QA/QC recorded final surface dry film thickness readings (DFT) with no discrepancies noted.

Crash Barrier Cover Plates External Surfaces (472 Each), NOI Number 4921: In accordance with project specifications and SSPC-SP 1 (Surface Cleanliness), the Crash Barrier Cover Plates External Surfaces were tested in in preparation for finish coat installation of Interfine 979 Polysiloxane. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

11DE Cross Beam Bottom Plate, NOI Number 4922: In accordance with project specifications and SSPC-SP 1, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on 11DE Cross Beam Bottom Plate in preparation for Interzinc 22 installation. ABF and ZPMC Quality Assurance/Control representatives noted minor discrepancies in the surface preparation (blast). ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection prior to proceeding with process to the next check point.

Crash Barriers External Surfaces (92 Each), NOI Number 4923: In accordance with project specifications and SSPC-SP 1 (Surface Cleanliness), the Crash Barriers External Surfaces (92 Each) were tested in in preparation for finish coat installation of Interfine 979 Polysiloxane. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Traveler Rail Assembled L Splices (10 Each), NOI Number 4926: In accordance with project specifications and SSPC-SP 1 (Surface Cleanliness), the Traveler Rail Assembled L Splices (10 Each) were tested in in preparation for finish coat installation of Interfine 979 Polysiloxane. ABF and ZPMC Quality Assurance/Control representatives noted minor discrepancies in the surface preparation (cleanliness). ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection prior to proceeding with process to the next check point.

Office

Attend to report writing and photo documentation.

Note: Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

### **Summary of Conversations:**

### **Comments**

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact , who represents the Office of Structural Materials for your project.

---

## SOURCE INSPECTION REPORT

( Continued Page 3 of 3 )

---

**Inspected By:** Cason,Kenneth

Quality Assurance Inspector

**Reviewed By:** Miller,Mark

QA Reviewer